



**PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Patent application of : Attorney Docket No.:  
Aws Nashef *et al.* : 8830-27 (165089)  
Serial No.: 10/069,649 : Group Art Unit:  
Confirmation No.: 3544 : 3739  
Filed: September 13, 2002 : Examiner:  
For: Heat Transfer Devices : Gibson, Roy Dean

**RESPONSE TO FINAL OFFICE ACTION**

**Mail Stop AF**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

This is in response to the final office action of June 14, 2006. This response is being filed within the three month shortened period set by the office action. Thus, this response is being timely filed.

Please charge any additional fee relating to this response, or credit any overpayment made, to Deposit Account No. 50-0573.

**Amendments to the Claims** are reflected in the listing of claims, which begins on page 2 of this document.

**Remarks/Arguments** begin on page 5 of this document.

<b>CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8(a)</b>	
I hereby certify that this paper, along with any paper referred to as being attached or enclosed, is being deposited with the United States Postal Service on the date indicated below, with sufficient postage, as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
BY	<i>Ranya M. McFely</i>
DATE:	<i>August 30, 2006</i>

QIP E  
SEP 05 2006  
Please type a plus sign (+) inside this box →

PTO/SB/21  
OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

TM  
AFS

**TRANSMITTAL FORM**

(to be used for all correspondence after initial filing)

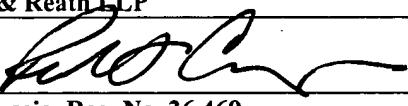
		Application Number	10/069,649
		Filing Date	September 13, 2002
		First Named Inventor	Aws Nashef et al.
		Group Art Unit	3739
		Examiner Name	Gibson, Roy Dean
Total Number of Pages in This Submission	9	Attorney Docket Number	8830-27 (165089)

**ENCLOSURES (check all that apply)**

<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached	<input type="checkbox"/> Assignment Papers (for an Application)  <input type="checkbox"/> Drawing(s) – Figs.  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input type="checkbox"/> Other Enclosure(s) (please identify below):
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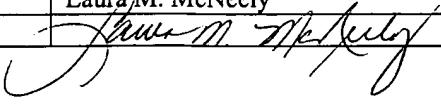
Remarks:

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm Name	Drinker Biddle & Reath LLP
Signature	
Printed Name	Robert E. Cannuscio, Reg. No. 36,469
Date	August 30, 2006

**CERTIFICATE OF MAILING UNDER 37 CFR 1.8**

I hereby certify that this paper, along with any documents referred to as being enclosed therewith, is being deposited with the United States Postal Service in an envelope addressed to U.S. Patent Office, Assistant Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date:.

Typed or printed name	Laura M. McNeely	
Signature		Date: August 30, 2006



## FEES TRANSMITTAL for FY 2005

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT (\$600.00)**

**METHOD OF PAYMENT (check all that apply)**

Check  Credit Card  Money Order  Other  None

Deposit Account:

Deposit Account Number **50-0573**

Deposit Account Name **Drinker Biddle & Reath LLP**

The Director is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments

Charge any additional fee required under 37 CFR 1.16 and 1.17

Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

### FEE CALCULATION

#### EXTRA CLAIMS FEES FOR UTILITY AND REISSUE

Total Claims 17 - 20 = 0 X = \$ 0

Independent Claims 6 - 3 = 3 X 200 = \$ 600.00

Multiple Independent + 360/180 = \$0

Large Fee Code	Large Entity Fee (\$)	Small Fee Code	Small Entity Fee (\$)	Fee Description
1202	50	2202	25	Claims in excess of 20
1201	200	2201	100	Independent claims in excess of 3
1203	360	2203	180	Multiple dependent claim, if not paid
1204	200	2204	100	**Reissue independent claims over original patent
1205	50	2205	25	**Reissue claims in excess of 20 and over original patent

\*\*or number previously paid, if greater; For Reissue, see above

SUBMITTED BY CUSTOMER NO. 23973

Complete if known

Application Number	10/069,649
Filing Date	September 13, 2006
First Named Inventor	Aws Nashef et al
Examiner Name	Gibson, Roy Dean
Art Unit	3739
Attorney Docket No.	8830-27 (165089)

### FEE CALCULATION (continued)

#### ADDITIONAL FEES

Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for <i>ex parte</i> reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	120	2251	60	Extension for reply within first month	
1252	450	2252	225	Extension for reply within second month	
1253	1,020	2253	510	Extension for reply within third month	
1254	1,590	2254	795	Extension for reply within fourth month	
1255	2,160	2255	1,080	Extension for reply within fifth month	
1401	500	2401	250	Notice of Appeal	
1402	500	2402	250	Filing a brief in support of an appeal	
1403	1,000	2403	500	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	500	2452	250	Petition to revive - unavoidable	
1453	1,500	2453	750	Petition to revive - unintentional	
1501	1,400	2501	700	Utility issue fee (or reissue)	
1503	1,100	2503	550	Plant issue fee	
1462	400	1462	400	Petition to the Commissioner - Group I	
1463	200	1463	200	Petition to the Commissioner - Group II	
1464	130	1464	130	Petition to the Commissioner - Group III	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
1810	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	
1801	790	2801	395	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

Complete (if applicable)

Name (Print/Type)	Robert E. Cannuscio	Registration No. (Attorney/Agent)	36,469	Telephone	(215) 988.3303
Signature				Date	August 30, 2006